



Allergies: Controlling Your Environment

KEY POINTS

- Pollen from trees and plants, mold, house dust, animal dander, cockroaches, cigarette smoke, perfume or other strong odors, smog, and cold air can cause or worsen allergy symptoms.
- You can lessen your allergy symptoms if you limit your contact with things that cause your symptoms, especially in places where you spend a lot of time, such as at home, school, or your office.

Many things inside and outside your home can cause or worsen allergy symptoms. The things that cause symptoms are called triggers. Some common triggers in the environment are pollen from trees and plants, mold, house dust, animal dander, cockroaches, cigarette smoke, perfume or other strong odors, smog, and cold air.

You can lessen your allergy symptoms if you limit your contact with your triggers, especially in places where you spend a lot of time, such as at home, school, or your office. Here are some things you can do.

Pollens

Pollens are small particles that plants such as trees, grasses, and weeds release into the air. The amount of pollen in the air outdoors varies with the season and the time of day. Pollen and outdoor mold amounts tend to be lower in the early morning and higher at midday and in the afternoon.

Pollens from grasses, weeds, and some trees can be carried through the air for miles. These pollens land in the eyes, nose, and airways, causing the symptoms of allergies. You may not be able to avoid all pollens, but it helps if you:

- Keep doors and windows shut in the pollen season. Don't use window or attic fans because they blow the dust and pollen around. Use an air conditioner, if you have one, in your house and car. If a room air conditioner is used, recirculate the indoor air rather than pulling air in from outside. Wash or change air filters once a month. Doing these things can also help keep things like dust and smog out of your home.
- Stay away from trees and grasses as much as you can in the pollen season and wear a hat to keep pollen from getting into your hair.
- After being outside during allergy season, shower, wash your hair, and change your clothes right away. Do not keep the dirty clothes in bedrooms because there may be pollen on the clothes.
- Often you can see common allergy-causing plants in your yard such as ragweed. If you have ragweed in your yard or neighborhood, ask your family or your neighbors to remove it for you.
- Dry your clothes in a dryer, not outside.
- Find a reliable source for local pollen counts and, if possible, stay indoors on days when the pollen count is high.

Mold

Molds are found year-round throughout the house, outdoors, and in foods, but especially in areas of high moisture. Molds blow around in the air both outdoors and indoors. Bathrooms and damp basements are common areas for mold growth. Mold is also very likely to grow in swamp coolers, humidifiers, and the refrigerator drip pan and crisper. Here are some ways to decrease mold growth:

- Fix all leaks and clean the kitchen and bathroom tile, floors, shower curtain, and tub thoroughly and often. Also clean under the sink. Use a cleaning solution that kills molds. For example, you can use diluted household bleach (1 cup of bleach in 10 cups of water).
- Use paint rather than wallpaper on your walls. Enamel paint stops mold growth better than latex paint. An antifungal substance can be added to paints to keep mold from growing.
- It is best to keep the humidity in the house between 30% and 50%. Buy a dehumidifier to take moisture out of the air if you live in a humid climate. Dehumidifiers can help keep mold from growing in damp places like basements. Look for areas that get damp from hard rains and fix any leaks that you find.

- Avoid evaporative coolers (also called swamp or desert coolers), vaporizers, and humidifiers with a reservoir, if you can, because they are ideal places for mold and bacteria to grow. When these appliances are operating, molds and bacteria can be sprayed throughout the house. If you do use one, empty the reservoir daily, clean it with soap and water, and dry it thoroughly. The reservoir should be refilled just before use.
- Greenhouses, compost piles, and homes with many plants also frequently have molds. Cover the potting soil of houseplants with foil to reduce the spread of mold spores.
- Remove any dry rot in wood frame housing.
- Clean indoor trashcans with diluted bleach (1 part bleach to 10 parts water) and keep them dry.

Dust mites

Dust mites are very tiny, spiderlike bugs that you can only see with a microscope. Their body parts and droppings are what you breathe in and can be allergic to. Dust mites can be found in mattresses, pillows, carpet, upholstered furniture, bedding, clothes, and soft toys. They are much less of a problem at high altitudes (over 3000 feet above sea level) or in very dry climates unless you use a humidifier in your home.

It's not possible to get rid of dust mites completely, but there are things you can do to help.

- Avoid clutter and dust catchers, particularly in the bedroom. These include knickknacks, wall decorations (pictures, pennants, and fabric wall coverings), drapes, shades, blinds, stacks of books, and piles of papers or toys.
- Keep the bedroom closet door closed. Store only in-season clothes in the closet.
- Bare floors are best. You can replace carpet with washable, nonskid rugs. Damp mop the floors often. If you have carpet, vacuum often and thoroughly. Replace vacuum bags and change vacuum cleaner filters often. Be sure to clean under the furniture and in the closet.
- Mattresses should be in coverings that are allergen-proof, such as plastic. You can get allergen-proof coverings where bed linens are sold. Zippers or openings should be taped shut. Cover pillows with allergen-proof covers or wash the pillows each week in hot water. Also wash blankets, sheets, and pillowcases in very hot water (at least 130° F, or 54.4° C) every week. Cooler water used with detergent and bleach can also work. Be sure linens and pillows are completely dry before using them.
- Forced-air furnaces should have a dust-filtering system. Filters should be changed as often as recommended by the manufacturer. Filters can be cut to cover room vents if the central furnace filters are not changed often enough. Cold and warm air ducts should be professionally cleaned at least every 4 to 5 years.
- Use an air cleaner with a high-efficiency particulate air (HEPA) filter or an electrostatic filter.
- Try not to sleep or lie on cloth-covered cushions or furniture.
- Keep stuffed toys out of the bed, or wash the toys weekly in hot water or in cooler water with detergent and bleach.
- If you usually get symptoms during housecleaning or yard work, wear a mask (available in drugstores or hardware stores) over your nose and mouth during these chores.

Pets

Pet allergens are found in animal dander (dried skin flakes or dandruff), saliva, and urine. They cause allergic reactions in many people. You may be more sensitive to one type of animal such as cats than another. All furry and feathered animals can cause allergic reactions.

If you are sensitive to animals and have a pet, the pet should live outside or stay in just one part of the house and never be in the bedroom. Have family members brush or comb pets outdoors. Wash your hands right after touching a pet.

Giving away a family pet is very hard, but if someone in your home is very sensitive, it may be necessary. Once the pet is gone, thoroughly clean the house. It is especially important to clean stuffed furniture, wall surfaces, carpets, rugs, drapes, and the heating/cooling system.

Cockroaches

Cockroaches and their droppings are a common cause of allergies. To get rid of cockroaches:

- Keep food and garbage in containers with tight lids. Take garbage out daily before bedtime.
- Never leave food out. Especially keep it out of bedrooms. Don't leave pet food or dirty food bowls out.
- Vacuum or sweep the floor, wash the dishes, and wipe off countertops and the stove right after meals. Keep cupboards clean.
- Fix water sources that attract these pests, such as leaky faucets and drain pipes.
- Plug cracks around the house to help stop cockroaches from getting in.

- Don't store paper bags, newspapers, or cardboard boxes.
- Use bait stations and other environmentally safe roach poisons.

Smoke and strong smells

Avoid smoke from tobacco products, wood-burning fireplaces, and stoves. Stay away from areas with heavy smoke from grass or forest fires. If others want to smoke, they should smoke outside. No smoking should be allowed in the car or in the house.

Try not to breathe fumes from paint, insecticides, gasoline, household cleaners, or other products with strong smells.

Developed by Change Healthcare.

Adult Advisor 2018.1 published by **Change Healthcare.**

Last modified: 2016-12-01

Content last reviewed by UT Austin University Health Services: 2018-07-25

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